

In the Claims:

Please cancel claims 4-9, 14-15, and 19-21, replace claims 1-3, 12-13, 16-18, and 25, and add new claims 26-27, all as shown below.

1. (Currently Amended): A computer program product including a storage medium with instructions thereon for execution by a computer for high level dynamic code generation, the instructions comprising:

a) computer code for creating a class file container object that stores source code describing a class;

b) computer code for adding a first source code defining a method to the class stored in the class file container object;

c) computer code for adding a second source code into ~~to~~ the method in the class stored in the class file container object using programming language constructs;

d) computer code for repeating instructions b and c to populate the class stored in the class file container object;

e) generating a tree of statements and expressions based on the class stored in the class file container object;

f) computer code for using the tree of statements and expressions to generate ~~generating~~ byte code for the class ~~file container object~~; and

g) computer code for instantiating an instance of the new class file object[:];]
~~computer code for generating executable code from the byte code by using a class loader; and~~

~~wherein dynamically-generated code would be configured to exist for the life of a server it~~

resides upon.

2. (Currently Amended): The computer program product of claim 1 wherein creating a class file container object includes:

~~setting~~ selecting a class name and a super class ~~attributes~~ for a class file.

3. (Currently Amended): The computer program product of claim 2 wherein ~~the attributes~~ include a any class file name and ~~a parent~~ any super class can be selected.

4 – 9. Canceled

10. (Original): The computer program product of claim 1 wherein the program code implements an adaptor class.

11. (Original): The computer program product of claim 1 wherein the program code implements a proxy class.

12. (Currently Amended): The computer program product of claim 1 further comprising program code for:

repeatedly adding a method to the class stored in the class file container object for each method associated with a stub generated for a remote object.

13. (Currently Amended): The computer program product of claim 12 wherein the program code for repeatedly adding a method to the class stored in the class file container object for each method associated with a stub generated for a remote object includes program code for:

determining a number of methods associated with the stub in a remote interface.

14 - 15. Canceled

16. (Currently Amended): The computer program product of claim 1 ~~4~~5 wherein the ~~program code for generating a tree of statements includes program code for:~~

~~—generating a tree of statements and expressions represents~~ representing at least one method, the at least one method comprising at least one of: a code statement, an expression, a variable and a programming construct.

17. (Currently Amended): The computer program product of claim 1 ~~4~~5 wherein the ~~program code for generating a tree of statements and expressions includes program code for:~~

~~—generating a tree forming forms~~ a known structure or interface when the class file ~~container~~ is a known type.

18. (Currently Amended): The computer program product of claim 17 wherein the ~~program code for generating a tree of statements and expressions forms~~ forming a known structure when the class file ~~container is a known type includes program code for:~~

~~—generating a tree forming a known structure when the class file container is of~~ at least one of an adapter and a proxy type.

19 - 24. Canceled

25. (Currently Amended): The computer program product of claim 1, wherein the dynamically generated code is used for remote method invocation skeletons, remote method invocation stubs, wrappers for ~~JDBC~~ database connections, and proxies used to enforce call-by-value semantics ~~between EJBs~~.

26. (New): The computer program product of claim 1, wherein dynamically generated code exists for the life of a server it resides upon.

27. (New): The computer program product of claim 1, further comprising code for generating executable code from the byte code by using a class loader.